

For Research Use Only

# Anti-Rat ICAM-1/CD54 Rabbit Recombinant Antibody

Catalog Number: 98060-1-RR



## Basic Information

<b>Catalog Number:</b> 98060-1-RR	<b>GenBank Accession Number:</b> NM_012967.1	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1000 µg/ml	<b>GeneID (NCBI):</b> 25464	<b>CloneNo.:</b> 240725C2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q00238	
<b>Isotype:</b> IgG	<b>Full Name:</b> intercellular adhesion molecule 1	
	<b>Calculated MW:</b> 60 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
rat

## Background Information

ICAM-1 (CD54) is a transmembrane glycoprotein of the immunoglobulin superfamily and is critical for the firm attachment and transmigration of leukocytes out of blood vessels and into tissues (PMID: 19307690). ICAM-1 is expressed by several cell types, typically on endothelial cells and cells of the immune system, and its expression can be up-regulated by various stimuli, including TNF- $\alpha$ , INF- $\gamma$ , IL-1 and thrombin (PMID: 3086451; 9694714; 15979056). It is a ligand for LFA-1 and Mac-1, serves as a receptor for rhinovirus, and is one of several receptors used by Plasmodium falciparum (PMID: 2566624; 2538244; 2475784).

## Storage

**Storage:**  
Store at 2 - 8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide, pH 7.3.

For technical support and original validation data for this product please contact:

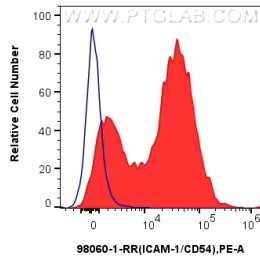
T: 4006900926

E: Proteintech-CN@ptglab.com

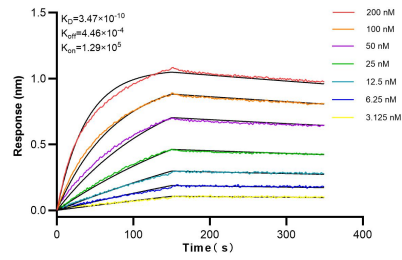
W: ptgcn.com

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## Selected Validation Data



$1 \times 10^6$  rat splenocytes were surface stained with 0.25  $\mu$ g Anti-Rat ICAM-1/CD54 Rabbit Recombinant Antibody (98060-1-RR, Clone:240725C2) (red) or sotype Control (blue) and PE-conjugated Goat Anti-Rabbit IgG. Cells were not fixed.



Biacore BLI kinetic assays of 98060-1-RR against Mouse ICAM-1/CD54 were performed. The affinity constant is 0.347 nM.